

What is claimed is:

1. A decorative architectural panel comprising:
 - a. a substrate;
 - b. a base layer of preformed fluoropolymer film adhered to said substrate; and
 - c. at least one discontinuous top layer of fluoropolymer forming a decorative, textured surface.
2. The panel of claim 1 wherein the base layer of fluoropolymer film is pigmented with a first color or is clear and the discontinuous top layer of fluoropolymer film is pigmented with a second color to form a decorative, textured surface with a speckled pattern.
3. The panel of claim 1 wherein said textured surface forms a slip resistant surface.
4. The panel of claim 1 wherein said discontinuous top layer is comprised of flakes of fluoropolymer film.
5. The panel of claim 4 wherein said discontinuous top layer is comprised of flakes of multiple fluoropolymer films each having a different color.
6. The panel of claim 1 wherein the substrate is metal.
7. The panel of claim 6 wherein the metal substrate is steel.
8. The panel of claim 7 wherein the steel is coated with zinc or zinc aluminum alloy.
9. The panel of claim 6 wherein the metal substrate is aluminum.
10. The panel of claim 6 which forms metal roofing.
11. The panel of claim 6 which forms an exterior wall panel.
12. The panel of claim 6 wherein the total thickness is from 10 mils (250 μm) to 42 mils (1070 μm).
13. The panel of claim 1 wherein the substrate is a polymer.
14. The panel of claim 1 wherein the fluoropolymer is selected from polymers and copolymers of trifluoroethylene, hexafluoropropylene, monochlorotrifluoroethylene, dichlorodifluoroethylene, tetrafluoroethylene, perfluorobutyl ethylene, perfluoro(alkyl vinyl ether), vinylidene fluoride, and

vinyl fluoride and blends thereof and blends of said polymers with a nonfluoropolymer.

15 15. The panel of claim 1 wherein said fluoropolymer is selected from polyvinyl fluoride, ethylene/tetrafluoroethylene copolymer, tetrafluoroethylene/perfluoro(propyl vinyl ether) copolymer.

16. Decorative sheeting for surfacing architectural panels comprising:

- 10 a. a pigmented base layer of preformed fluoropolymer film having a first color;
- b. at least one discontinuous pigmented top layer of fluoropolymer having a second color adhered to said base layer forming a decorative speckled pattern.

15 17. Decorative sheeting according to claim 16 wherein the speckled pattern forms a textured surface.

18. Decorative sheeting according to claim 16 wherein the speckled pattern forms a slip resistant surface.

20 19. Decorative sheeting according to claim 16 wherein the total thickness of the sheeting is from of 0.5 mils (13 micrometers) to 12 mils (305 micrometers).

20. Decorative sheeting for surfacing architectural panels comprising:

- a. a base layer of preformed fluoropolymer film; and
- 25 b. at least one discontinuous top layer of fluoropolymer forming a decorative, textured surface.

21. Decorative sheeting according to claim 16 wherein said discontinuous top layer is comprised of flakes of fluoropolymer film.

22. A process for making decorative sheeting for surfacing architectural panels comprising:

- 30 a. forming a continuous pigmented base layer of fluoropolymer film having a first color;
- b. applying at least one discontinuous pigmented top layer of fluoropolymer film having a second color to said base layer; and

c. applying heat and pressure to said top layer causing said top layer to fuse to said base layer and form a decorative sheeting with a speckled pattern.

5 23. The process of claim 22 wherein said discontinuous top layer is in flake form.

24. The process of claim 22 wherein said step b of applying said discontinuous top layer and said step c of applying heat and pressure to fuse said top layer and said base layer result in decorative sheeting having
10 a textured surface.

25. A process for making architectural panels comprising:

- a. forming a continuous base layer of fluoropolymer film;
- b. applying at least one discontinuous top layer of fluoropolymer to said base layer;
- 15 c. applying heat and pressure to said top layer causing said top layer to fuse to said base layer; and
- d. adhering said base layer with said fused discontinuous top layer to a substrate to form a decorative, textured architectural panel.

26. The process of claim 25 wherein said discontinuous top layer is
20 in flake form.

27. A process for making architectural panels of claim 25 wherein said continuous base layer of fluoropolymer film is pigmented having a first color, and said discontinuous top layer is pigmented having a second color.

25 28. A process for making architectural panels comprising:

- a. forming a continuous base layer of fluoropolymer film;
- b. adhering said base layer to a substrate to form a laminate structure;
- c. applying at least one discontinuous top layer of fluoropolymer to said base layer of said laminate structure; and
- 30 d. applying heat and pressure to said laminate structure with said top layer causing said top layer to fuse to said base layer to form a textured, decorative architectural panel.

29. The process of claim 28 wherein said discontinuous top layer is
35 in flake form.